LISTING OF CLAIMS

This listing of claims will replace all prior versions and listings of claims in the Application.

I. (Currently Amended - Withdrawn) A heat cooking apparatus provided with a supporting unit [[(3)]] for supporting a cooking tool [[(9)]] and a heating unit [[(14)]] for heating the cooking tool, ~~characterized by~~ comprising:

a receiving unit [[(41)]] capable of receiving temperature data of the cooking tool [[(9)]] or temperature data of an object to be cooked in the cooking tool [[(9)]] transmitted in the form of infrared rays from the exterior; and

a controlling unit [[(35)]] for drive-controlling the heating unit [[(14)]] on the basis of temperature data received by the receiving unit[[(41)]].

2. (Currently Amended - Withdrawn) The heat cooking apparatus according to claim 1, further ~~characterized by~~ comprising a temperature detecting unit [[(15)]] detecting a temperature of the cooking tool [[(9)]] via the supporting unit[[(3)]], and in that the controlling unit [[(35)]] controls the heating unit [[(14)]] so that when temperature data has been transmitted in the form of infrared rays from the exterior, the heating unit [[(14)]] is controlled on the basis of the temperature data and so that when no temperature data has been transmitted in the form of infrared rays from the exterior, the heating unit [[(14)]] is controlled on the basis of temperature data detected by the temperature detecting unit[[(15)]].

3. (Cancelled)

4. (Currently Amended) The cooking tool according to claim [[3]]10, wherein the transmitting unit [[(23)]] is provided with a battery [[(21)]] ~~of supplying~~ that supplies electric power through wire.

5. (Currently Amended) The cooking tool according to claim 4, further ~~characterized by~~ comprising a switching unit [[(43)]] of opening/closing the electric power supply circuit between the battery [[(21)]] and the transmitting unit [[(23)]] according to the temperature of the object to be cooked.

6. (Currently Amended) The cooking tool according to claim 4, ~~characterized by~~ wherein ~~in that~~ the transmitting unit [[(23)]] is provided with an output detector ~~(27) detecting~~ that detects output voltage of the battery [[(21)]] output voltage of the battery [[(21)]].

7. (Currently Amended) The cooking tool according to claim 5, ~~characterized by~~ wherein the transmitting unit [[(23)]] is provided with an output detector ~~(27) detecting~~ that detects output voltage of the battery [[(21)]].

8. (Cancelled).

9. (Currently Amended) The cooking tool according to claim [[8]] 10, ~~characterized by~~ wherein ~~in that~~ the secondary coil [[(44)]] is provided at the bottom of the vessel portion [[(10)]] in which ~~matters~~ the object to be cooked ~~are~~ is charged.

10. (Currently Amended) [[The]]A cooking tool ~~according to claim 8,~~ used with a heat cooking apparatus having a receiving unit capable of receiving data externally transmitted in the form of infrared rays, the cooking tool being heated by a heating unit of the heat cooking apparatus while being supported by a supporting unit of the heat cooking apparatus, the cooking tool comprising:

a temperature detecting unit that generates a signal according to a temperature of an object to be cooked;

a transmitting unit that transmits temperature data corresponding to the output signal from the temperature detecting unit in the form of infrared rays to the heat cooking apparatus; and

a primary coil and a secondary coil, the secondary coil magnetically connected to the primary coil while the heating unit is being driven to produce electric power for operating the transmitting unit,

wherein for the case where a high frequency current is caused to flow through the primary coil so that the heating unit of the heat cooking apparatus performs induction heating, the secondary coil is magnetically coupled to the primary coil by passing a high frequency current through the primary coil, and

~~characterized in that~~ wherein the transmitting unit ~~(23)~~ is provided with a rectifying portion ~~(45) rectifying~~ to rectify the output voltage from the secondary coil [[(44)]] and a stabilizing electric supply portion ~~(46) of stabilizing~~ to stabilize the rectified output voltage from the rectifying portion[[(45)]].

11. (Cancelled)

12. (Currently Amended) The cooking tool according to claim 10, ~~characterized in that~~ wherein the transmitting unit [[(23)]] is provided with a load [[(51)]] connected to the output terminal of the rectifying portion[[(45)]], a rectified output detecting portion [[(47)]] that detects ~~detecting~~ the magnitude of the rectified output voltage given to the stabilizing electric supply by the rectifying portion [[(45)]], and a rectified output controlling portion ~~(32) controlling~~ that controls the magnitude of the rectified output voltage given to the stabilizing electric supply by the rectifying portion [[(45)]] by adjusting the magnitude of the load [[(51)]] ~~on the basis of the results of~~ based on the detection ~~by~~ results of the rectified output detecting portion[[(47)]].

13. (Currently Amended) The cooking tool according to claim [[3]]10, ~~characterized in that~~ wherein the transmitting unit [[(23)]] is composed of an infrared ray transmitting module.

14. (Currently Amended-Withdrawn) A heat cooking system comprising a cooking tool [[(9)]] and a heat cooking apparatus heating the cooking tool [[(9)]] while being supported on a supporting unit [[(3)]] by a heating unit [[(14)]], ~~characterized in that~~ wherein the cooking tool [[(9)]] is provided with a temperature detecting unit [[(20)]] of the matters to be cooked received therein and a transmitting unit [[(23)]] transmitting to the heat cooking apparatus temperature data corresponding to output signal from the temperature detecting unit [[(20)]] in the form of infrared rays and the cooking tool is provided with a receiving unit [[(41)]] capable of receiving temperature data transmitted in the form of infrared rays by the cooking tool [[(9)]] and a controlling unit [[(35)]] controlling the heating unit on the basis of temperature data received by the receiving unit[[(41)]].